

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 19561
Application ID: 10065648
Title of Invention: On-Board Diagnostic Catalyst
Monitoring System
First Named Inventor: David Nader
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-11-06
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 202-0691
Digital Certificate Holder: cn=Gigette M. Bejin, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
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Total Fees Authorized: \$820.0
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Deposit Account Number: 61510
Deposit Account Name: Angela Y. Singleton



TRANSMITTAL FORM

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10/065648
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Submission Type: Utility Patent
Filing

Attorney Docket
Number:

202-
0691

On-Board Diagnostic Catalyst Monitoring System

First Named Inventor: David Robert Nader

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Angela Yvonne Singleton Electronic
Application Specialist

Electronic Signature Mark: /ays

Date Signed: 20021106

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	declaration1.tif
declaration	declaration2.tif
declaration	consent.tif
declaration	ids_1.tif

declaration	ids_2.tif
specification	specification.xml
patent-assignments	202-0691asgn.xml
bibd-transmittal	202-0691apds.xml
fee-transmittal	202-0691fee.xml

Attached Image File(s):

declaration1.tif
declaration2.tif
consent.tif
ids_1.tif
ids_2.tif

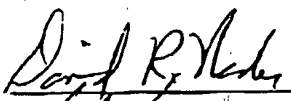

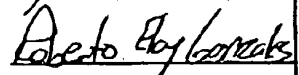
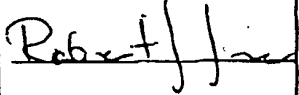

Comments:

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION	Attorney's Docket No. 202-0691																											
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claim for which a patent is sought on the invention entitled</p> <p>ON-BOARD DIAGNOSTIC CATALYST MONITORING SYSTEM</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> no such applications have been filed, or</p> <p style="margin-left: 40px;"><input type="checkbox"/> such applications have been filed as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"><thead><tr><th style="width: 15%;">COUNTRY</th><th style="width: 20%;">APPLICATION NO.</th><th style="width: 20%;">DATE OF FILING (month, day, year)</th><th style="width: 20%;">DATE OF ISSUE (month, day, year)</th><th style="width: 25%;">PRIORITY CLAIMED UNDER 35 USC 119</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <p style="font-size: small; margin-top: 5px;"><input type="checkbox"/> Additional provisional application numbers are on a separate priority data sheet attached hereto</p> <p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which becomes available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"><tr><td style="width: 33%; border-bottom: 1px solid black;">(Application Number)</td><td style="width: 33%; border-bottom: 1px solid black;">(Filing Date)</td><td style="width: 33%; border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td></tr><tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr><tr><td style="border-bottom: 1px solid black;">(Application Number)</td><td style="border-bottom: 1px solid black;">(Filing Date)</td><td style="border-bottom: 1px solid black;">(Status - patented, pending, abandoned)</td></tr><tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr></table> <p>POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 33066, Richard M. Sharkansky, Esq. as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>		COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119											(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)			
COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119																								
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)																										
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Address all correspondence and telephone calls to: Customer No. 33066,

Richard M. Sharkansky
Daly, Crowley & Mofford, L.L.P.
275 Turnpike Street Suite 101
Canton, MA 02021-2310 Phone: 781-401-9988

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	C
David Robert Nader 30179 Muirland Dr. Farmington Hills, Mi 48334 US	Farmington Hills, Mi 48334 US	U.S.A		-
Michael Igor Kluzner 14450 Vernon Oak Park, MI 48237 US	Oak Park, MI 48237 US	U.S.A		-
Robert Eloy Gonzales 1523 Irving Avenue Royal Oak, MI 48067 US	Royal Oak, MI 48067 US	U.S.A		-
Robert Joseph Jerger 7765 Brookside Ct Dexter, MI 48130 US	Dexter, MI 48130 US	U.S.A		-
Ziad Zaghati 448 Inkster Dearborn Heights, MI 48127 US	Dearborn Heights, MI 48127 US	U.S.A		-

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. **202-0691**
Date: October 31, 2002

Sir:

Inventor(s):

Robert Jerger
David Nader
Robert Gonzales
Michael Kluzner
Ziad Zaghati

For: **ON-BOARD DIAGNOSTIC CATALYST MONITORING SYSTEM**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



John Buckert
Attorney or Agent of Record
Registration No. 44,572
Ford Global Technologies, Inc.
One Parklane Blvd.,
600 Parklane Towers East
Dearborn, MI 48126
Telephone: 313-323-1617

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Michael Kluzner, et al.	Group Art Unit: Not Yet Assigned Examiner: Not Yet Assigned
Application No.:	Not Yet Assigned	
Filing Date:	Herewith	
Entitled:	NO OXYGEN STORAGE "PHASE SHIFT INDEX" CATALYST MONITOR	
Docket No.:	(202-0691) FGTI-044PUS	

Certificate of Express Mailing

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of Deposit

INFORMATION DISCLOSURE STATEMENT


BOX PATENT APPLICATION
Commissioner for Patents
Washington, DC 20231

Applicants submit the references listed on the attached form PTO 1449, copies of which are enclosed. Please apply any charges or credits to Deposit Account No. 50-0845.

Respectfully submitted,

Date

10/27/02


Richard M. Sharkansky
Reg. No. 25,800
Daly, Crowley & Mofford, LLP
275 Turnpike Street, Suite 101
Canton, Massachusetts 02021-2310
Tel. (781) 401-9988 x23
Fax. (781) 401-9966

FGTI-044PUS-IDS ltr.doc

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY DOCKET NO FGTI-044PUS		APPLICATION NO Not Yet Assig					
INFORMATION DISCLOSURE CITATION 1 of 1						APPLICANT(S) Michael Kluzner, et al.							
						FILING DATE Herewith		GROUP Not Yet Assig					
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING APPRO	
		3	9	6	9	9	3	2	07/20/1976	Rieger et al.			
		5	2	8	9	6	7	8	03/01/1994	Grutter			
		5	5	4	4	4	8	1	08/13/1996	Davey et al.			
		5	6	7	3	5	5	5	10/07/1997	Achleitner			
		5	8	0	1	2	9	5	09/01/1998	Davey et al.			
		5	8	6	5	0	2	6	02/02/1999	Davey et al.			
		5	8	9	9	0	6	2	05/04/1999	Jerger et al.			
		5	9	7	4	7	8	6	11/02/1999	Kluzner et al.			
		6	1	1	2	5	1	8	09/05/2000	Jerger et al.			
		6	1	5	1	8	8	9	11/28/2000	Davey et al.			
		6	1	9	5	9	8	6	03/06/2001	Davey et al.			
		6	2	1	6	4	4	8	04/17/2001	Schnaibel et al.			
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRAN	
												YES	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)													
		N. Kurihara et al.; "An On-Board Diagnosis Method for Three-Way Catalyst Deterioration"; Society of Autom Engineers, Inc.; 1997; pp. 1-5..											
		Co-Pending U.S. Patent Application Serial No. 10/062,384 filed 2/1/02.											
Examiner		Date Considered:											
<small>*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant</small>													

(702143)

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 820

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Angela Y. Singleton

Electronic Signature Mark: /ays

Date Signed: 20021104

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 5	1202	\$ 18	0	\$ 0
Independent Claims: 2	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80